

**To:** Wall, Dan[wall.dan@epa.gov]  
**From:** Schmittiel, Paula  
**Sent:** Wed 3/19/2014 8:09:53 PM  
**Subject:** FW: Arrastra Characterization  
[Arrastra vs. A68 Concentrations.pdf](#)  
[Arrastra Final Report\(1\).doc](#)  
[Arrastra Basin Characterization and Decisions.docx](#)

Did I send this to you? I will try and call in on this conf. call./meeting tomorrow afternoon.

Paula Schmittiel

Remedial Project Manager

U.S. Environmental Protection Agency

1595 Wynkoop St.

Denver, CO 80202

Office: 303-312-6861

Cell: 720-951-0795

**From:** Peter Butler [mailto:butlerpeter2@gmail.com]  
**Sent:** Tuesday, March 18, 2014 5:59 PM  
**To:** Bill Simon; Steve Fearn; Larry Perino; Lisa Richardson; Kay Zillich; Kirstin Brown; Brent Lewis; Jason Willis ; Ty Churchwell; Chuck Wanner; Chris Peltz; Todd Hennis; tchatwin@inap.com.au; Tom Grant; James.Bush@ch2m.com; jferguson@cologold.com; Katie Walton-Day; Rob Runkel; Way, Steven; Craig Gander; David Heinze; digiorgio.monique@gmail.com; Schmittiel, Paula; Bonie Pate  
**Subject:** Arrastra Characterization

Dear Technical Workgroup –

Attached are some documents related to Arrastra Gulch.

The first is an initial cut of the impacts of Arrastra on the Animas River. Basically, Arrastra has

lower metal concentrations and provides dilution to the Animas. The four samples at the mouth of Arrastra were taken by WQCD in 2009 -10 and were the basis for listing of Arrastra for zinc and cadmium on the 303(d) list. The concentrations are not that high, but the hardness is quite low resulting in low metal standards.

The next document is a report on Arrastra from 2004. We have no reason to believe this report isn't applicable today, but we should show that water quality has not changed over the past ten years. This report does show significant environmental impacts at Silver Lake.

The last document is a list of project questions and goals that Bill Simon put together last year to address issues in Arrastra Gulch. This is the document I would like you to try to look at before Thursday afternoon. Thanks.

Peter Butler

970-259-0986